

**ABSTRACT**

A method of paging UEs (User Equipments) on a multimedia broadcast/multicast service (MBMS) service basis in a mobile communication system supporting MBMS. To receive a PCH (Paging Channel) using a plurality of PICHs (Paging Indicator Channels) in a mobile communication system having a plurality of PCHs transmitted in every predetermined periods, for paging UEs requesting a broadcasting service, and the plurality of PICHs transmitted between first and second successive PCHs among the plurality of PCHs. A UE receives a PICH assigned to the UE if the PICH is among the plurality of PIs, determines whether the second PCH corresponding to the broadcasting service will be transmitted by a broadcasting service PI set in an unused part of the received PICH, and receives the second PCH destined commonly for all UEs that determine that the second PCH will be transmitted to the UEs among UEs that receive the PICH.